

Figure 1

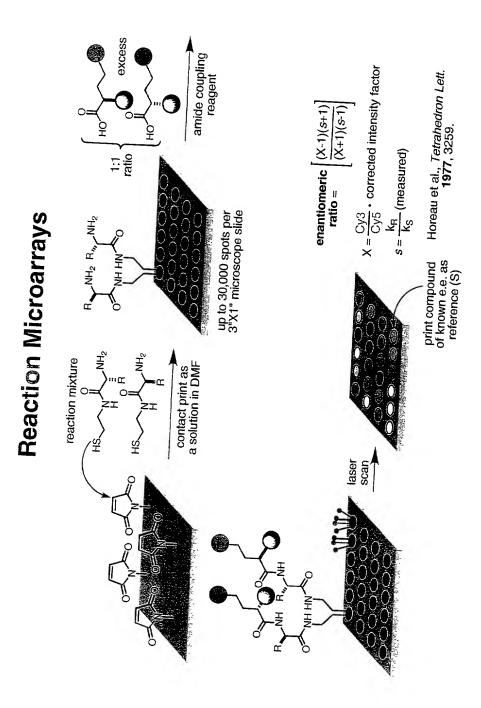


Figure 2

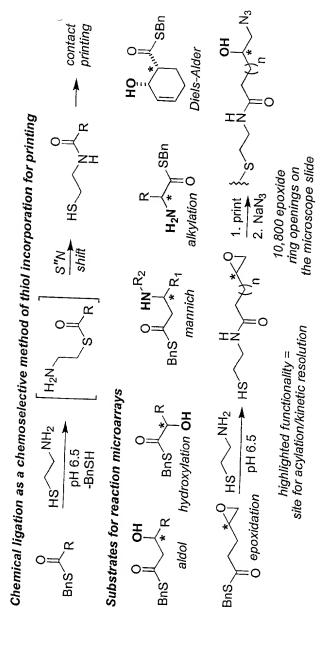
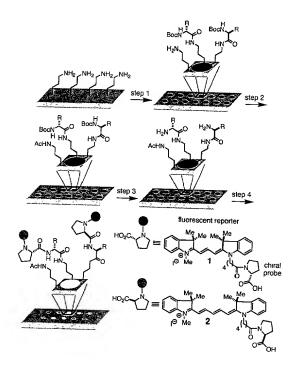


Figure 3



Reagents and conditions: step 1) BocHNCH(R)CO₂H, PyAOP, 1 Pr₂NEt, DMF, step 2) Ac₂O, pyridine; step 3) 10% CF₃CO₂H and 10% El₃SiH in CH₂Cl₂, then 3% El₃N in CH₂Cl₂; step 4) Pentafluorophenyl diphenylphosphinate, 1 Pr₂NEt, 1:1 mixture of 1 and 2, DMF, -20 $^{\circ}$ C.

Figure 4

Attachment of amino acids as their allyl amides to selenyl bromide-functionalized microslides

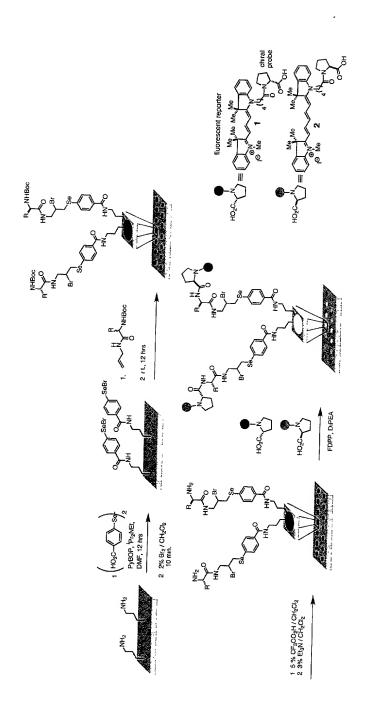


Figure 5

Attachment of amino acids as their allyl amides to nitrone-functionalized microslides

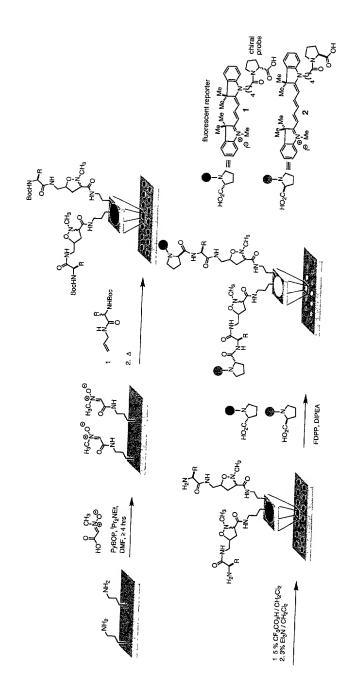


Figure 6

Synthesis of Indocarbocyanine and Indodicarbocyanine Fluorophores

Figure 7

Figure 8

Synthesis of Cy5 Fluorophore Conjugates by ^tBu-Protected Amino Acids

Figure 9

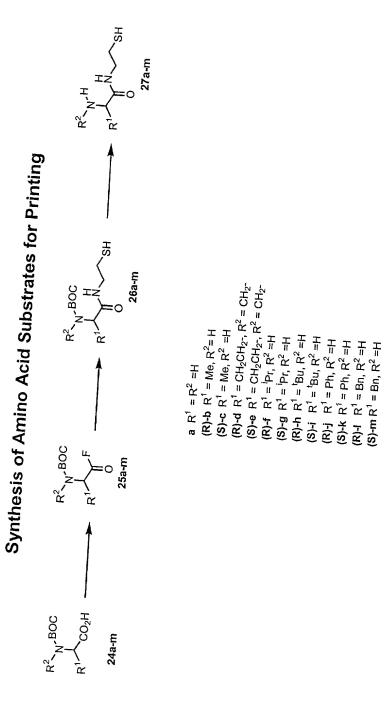


Figure 10

Solid Phase Synthesis of Cyanine-Amino Acid Conjugates

Figure 11

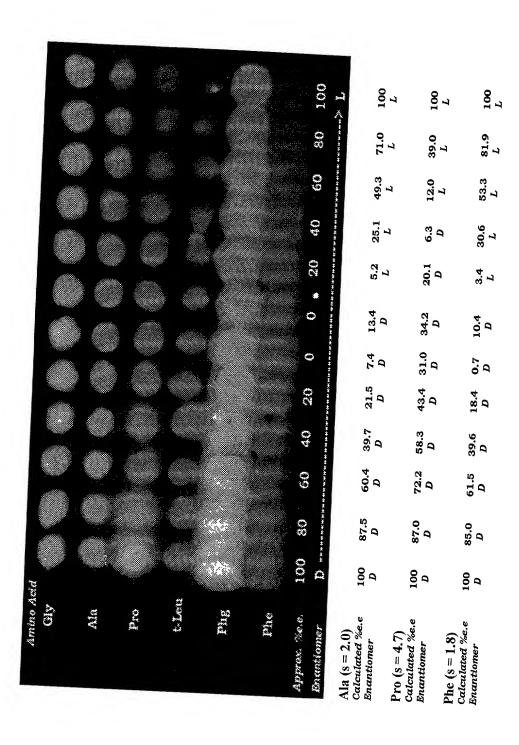


Figure 12

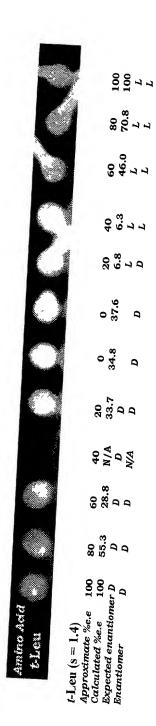


Figure 13

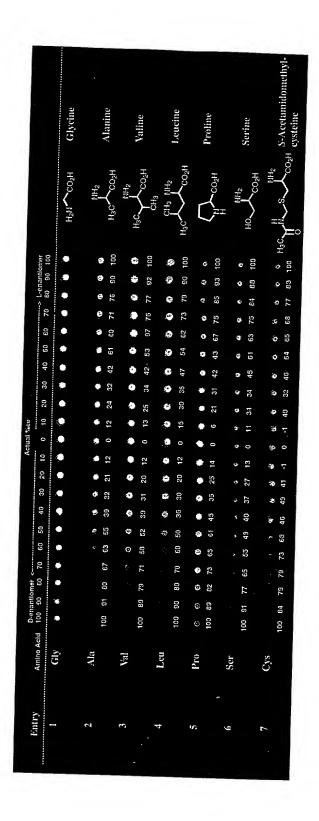


Figure 14

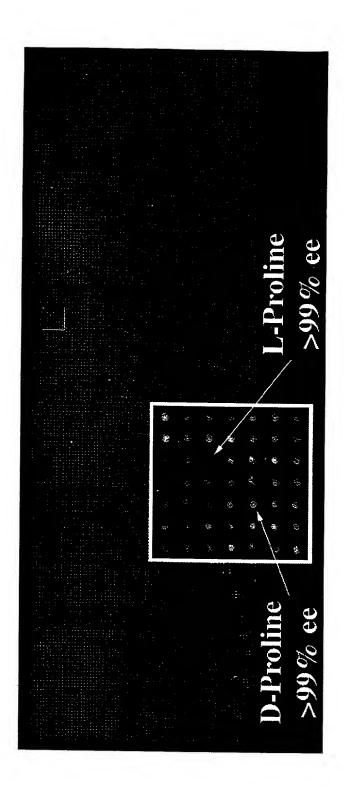


Figure 15